

Appl. No. 10/801,790
Reply to Office Action dated August 22, 2005
Page 4

Amendments to the Claims:

Claims 1(currently amended). A torque-to-thrust apparatus including a one-way friction torque-transmitting mechanism comprising:

a rotary input member operable in a forward and reverse direction;

a linear output member;

torque-to-thrust means disposed between said rotary input member and said linear output member for transmitting rotary motion of said input member to linear motion of said output member;

a stationary component;

a ~~mechanical diode~~ one-way torque-transmitting mechanism disposed adjacent said stationary component and being responsive to said rotary input member to permit free rotation in a first direction;

a friction means disposed between said stationary component and a member of said ~~mechanical diode~~ one-way torque-transmitting mechanism to hold said ~~mechanical diode~~ one-way torque-transmitting mechanism member stationary to inhibit the reverse rotation of said rotary input member in a second direction until a predetermined rotary force is present at said rotary input member in said second direction.

2.(currently amended) The torque-to-thrust apparatus including a one-way friction torque-transmitting mechanism defined in Claim 1 further comprising:

said ~~mechanical diode~~ one-way torque-transmitting mechanism having an inner race and an outer race; and

said friction means comprising a plate member disposed between said outer race and said stationary component.

3.(currently amended) The torque-to-thrust apparatus including a one-way friction torque-transmitting mechanism defined in Claim 1 further comprising:

said ~~mechanical diode~~ one-way torque-transmitting mechanism having an inner race and an outer race;

said friction means comprising a plate member disposed between said inner race and said stationary component.

Appl. No. 10/801,790
Reply to Office Action dated August 22, 2005
Page 5

4.(currently amended) The torque-to-thrust apparatus including a one-way friction torque-transmitting mechanism defined in Claim 1 further comprising:

said friction means comprising a plate member secured to said stationary component adjacent said member of said ~~mechanical diode~~ one-way torque-transmitting mechanism.

5.(original) The torque-to-thrust apparatus including a one-way friction torque-transmitting mechanism defined in Claim 1 further comprising:

said torque to thrust means comprising a hydraulic force generating means including a master cylinder and a slave cylinder.

6.(original) The torque-to-thrust apparatus including a one-way friction torque-transmitting mechanism defined in Claim 1 further comprising

said friction means having a holding force proportional to a thrust force in said torque to thrust means.

7.(original) The torque-to-thrust apparatus including a one-way friction torque-transmitting mechanism defined in Claim 1 further comprising:

said friction means having a substantially constant holding force.